

Targets Management Office

Advance Planning Briefing to Industry 10 Jun 04



***Stephen G. Milburn
Director, Targets Management Office***

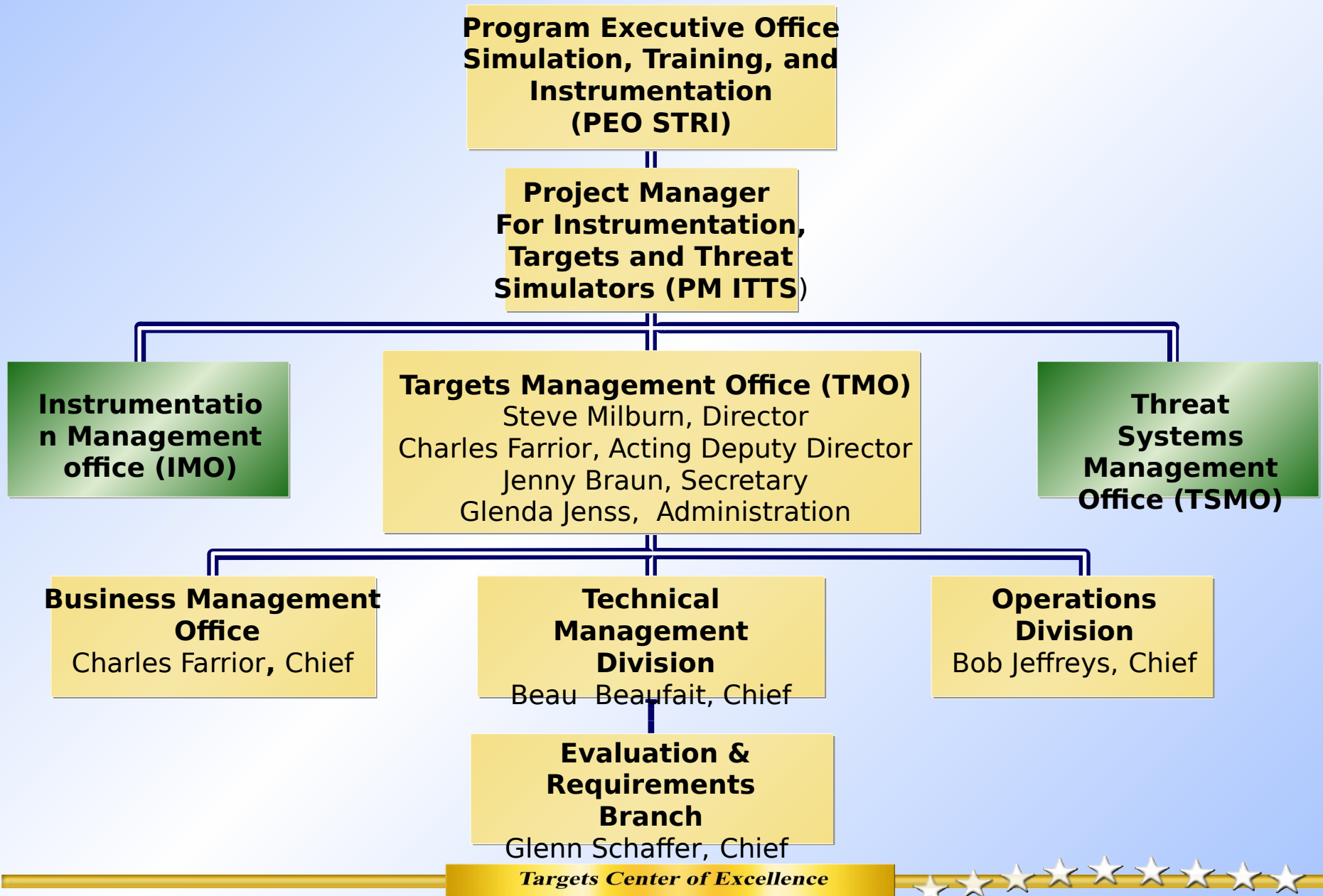


- Organization
- Mission
- Primary Activities
- Customer Base
- Army Targets Programs
 - Aerial Projects
 - Ground Projects
 - Range Systems Projects
- Virtual Targets Program
- Specific APBI Topics
 - Aerial Target Flight Services
 - MQM-107
 - New Generation Army Target Systems
- Summary





Targets Management Office *Organization*





Manage the life cycle acquisition of technically optimized, interoperable and adaptable Targets, Target Control Systems and Ground Range Systems used in the Live and Virtual Testing, Training and Mission Rehearsal Environments, providing best value procurement, and superior life cycle sustainment and operation when required, for the U.S. Army Transformation, Future Forces, Joint Services, Allied Clients and Governmental Agencies





Targets Management Office

Primary Activities

Based on customer target requirements

- **Aerial - Fixed and Rotary Wing**
- **Mobile Ground / Foreign Materiel**
- **Virtual - Models and Simulations**
- **Range Targetry Systems**
- **Auxiliary / Ancillary Equipment**





Targets Management Office

Customers

TEST COMMUNITY

Weapon System Developers

- PEOs/PMs - USMC - MDA
- AMCOM - USAF
- TACOM - Navy

Test Agencies/Ranges

- ATEC - WSMR
- AFOTEC - YPG
- Eglin AFB - Pt. Mugu
- China Lake - Edwards AFB
- Redstone - APG

Labs and RDECs

- Armament RDEC
- Army Research Lab
- Aviation & Missile RDEC

TRAINING COMMUNITY

Major Commands

- FORSCOM - USARPAC
- EUSA - USAREUR
- TRADOC

Army National Guard

Army Schools/Combat Training Centers

- Armor - NTC
- Field Artillery - JRTC
- Aviation - CTC
- Infantry - Air Defense Artillery

Government Ranges

- Ft. Bliss - Ft. Polk - Ft. Drum
- Ft. Irwin - Ft. Hood
- Ft. Campbell - Ft. Lewis/Yakima

FMS Customers

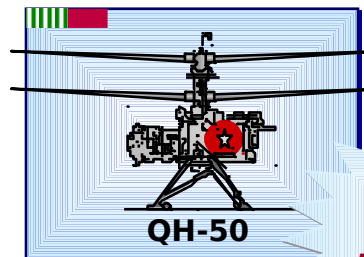
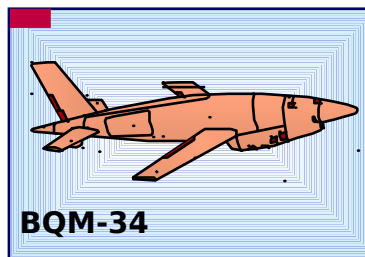
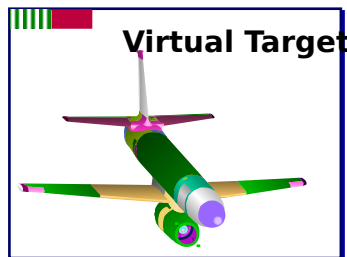
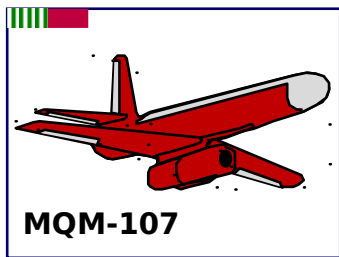
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|---------------|-----------|------------|----------------|---------------|
| - Denmark | - Egypt | - Germany | - Israel | - Italy |
| - Japan | - Jordan | - Korea | - Kuwait | - Morocco |
| - Netherlands | - Norway | - Portugal | - Saudi Arabia | - Switzerland |
| - Taiwan | - Tunisia | - Turkey | | |



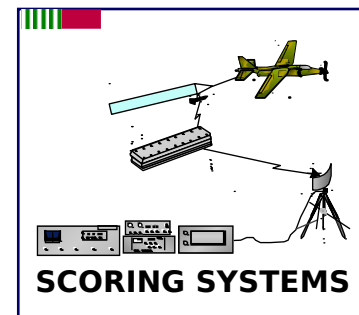
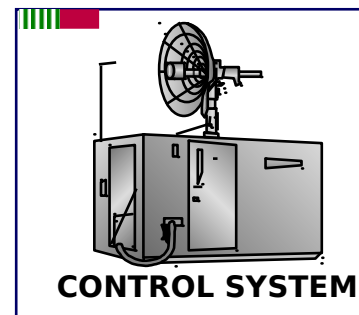
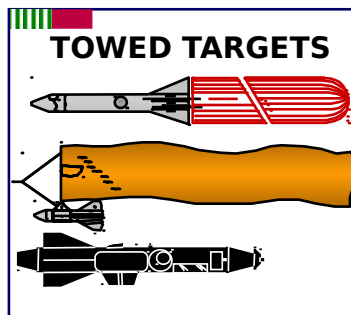
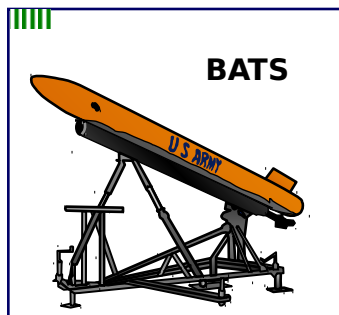
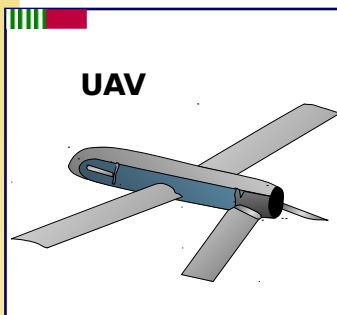
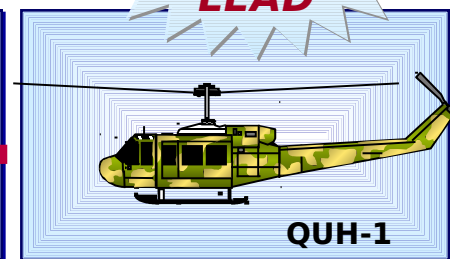
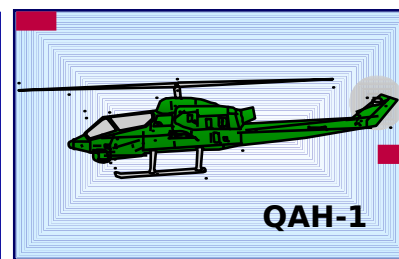
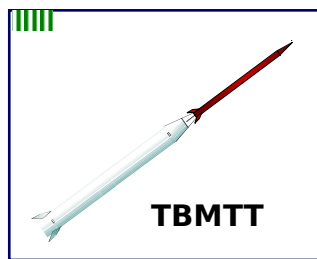
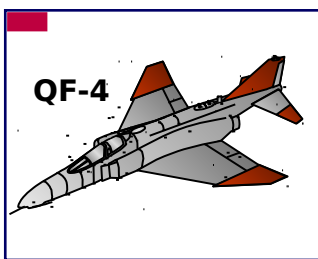
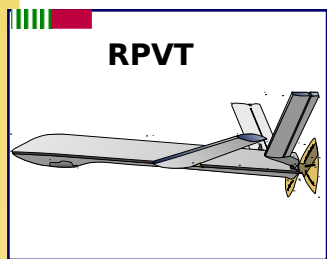


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Aerial Targets



**ROTARY
WING
RELIANCE
LEAD**

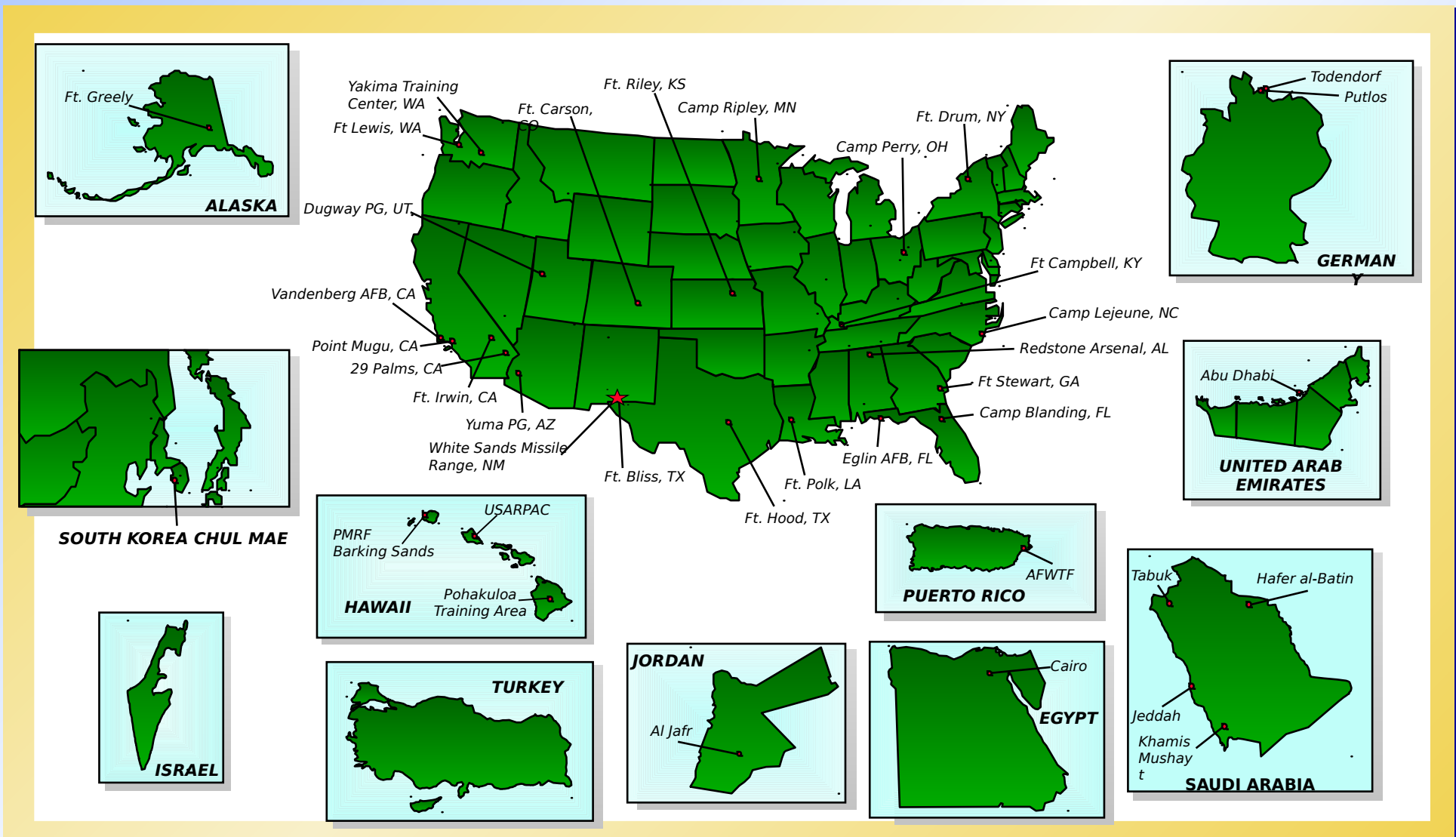


Use: ■■■■■ Training ■ T&E

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Aerial Targets Operation

Locations





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Mobile Ground Targets



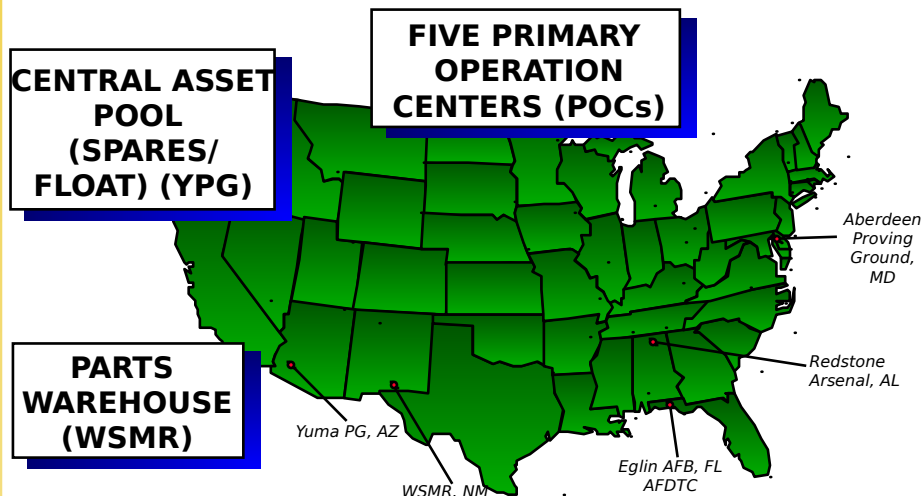
Foreign Fleet





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Mobile Ground Target Operations



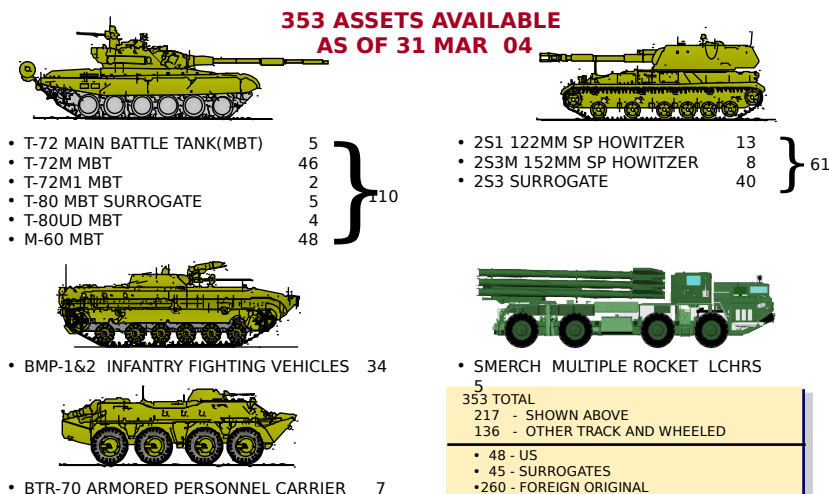
USER/CUSTOMERS

- JOINT COMBAT IDENTIFICATION EVALUTION TEAM (JCIET)
- ARMY NIGHT VISION / ELECTRONIC SENSORS
- BRILLIANT ANTI-ARMOR SUBMUNITION (BATS)
- CLOSE COMBAT ANTI-TANK WEAPON SYSTEM (CCAWS)
- JOINT COMMON MISSILE
- JOINT MUNITIONS T&E PROGRAM (CHICKEN LITTLE)
- LONGBOW HELLFIRE MISSILE
- NAVAL SURFACE WARFARE CENTER
- DIA MISSILE & SPACE INTELLIGENCE CENTER
- US NAVY HYPERSPECTRAL DATA COLLECTION
- WIDE AREA MUNITIONS (WAM)

DESCRIPTION

- TMO ALLOCATES ASSETS TO POCs AND FROM NEAREST POC TO SUPPORT TESTS.
- TMO INITIATES LOAN AGREEMENT AND FUNDING WITH USER.
- POCs STORE AND MAINTAIN ASSETS, MAINTAIN ACCOUNTABILITY, CM CONTROL, PROVIDE DAILY SCHEDULING, AND OPERATE ASSETS FOR USER.
- USER PAYS HOURLY RATE FOR MAINTENANCE AND PAYS POC DIRECTLY FOR OPERATION.

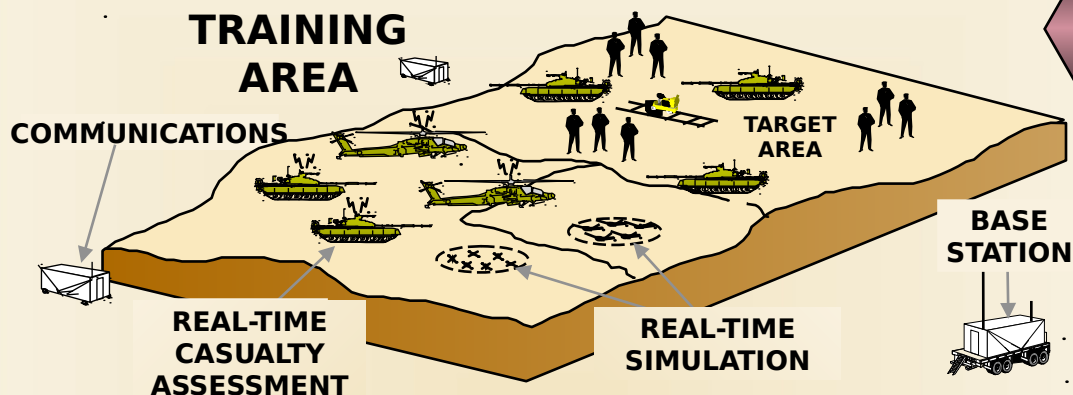
FUNCTIONAL DATA



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Range Target Systems

New Generation Army Target System (NGATS)



- Focuses on eliminating current targetry deficiencies
- Provides an improved, standardized targetry capability to support:
 - current training
 - respond to future enhanced weapon systems.



Key advantages and features include

- Common controls and components
- Designed for deployability
- Standardized commercial spares and repair parts
- Requirements coordinated with user
- Systems engineering approach

Urban Operations -Interactive Target System

- Provides Human Targets capable of:
 - mortal and non-mortal wound hit sensing
 - emulating thermal signature
 - two-way communication
 - animation
 - swing in/out; pop-up/fall down
 - MILES coded laser shoot-back
- Provides self-propelled Vehicle Target capable of both manned and remote operation



Precision Scoring



Technology that provides efficient marksmanship training.

Key advantages and features include:

- Immediate feedback to trainee on firing point display.
- Immediate identification and correction of trainee problems.
- Printed score cards provide shot-by-shot performance record.
- Lanes can be operated by a central control computer or individually at the firing point.





Targets Management Office *Operations Division*

- Target Operations and System Support concentrated in a single Operations Division within TMO.
- Direct coordination and support of customer:
 - Aerial and Ground T&E
 - Ground range training targets
 - Aerial training requirements and operations
- Hardware and flight services in support of FMS customers.
- Management, direct inventory control and maintenance support of:
 - Troop operated and maintained target systems
 - Contractor operated standard and non-standard targets/equipment.

**AERIAL
& GROUND TARGET
SYSTEMS**





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Virtual Targets Program



Virtual Targets are built utilizing the latest in digitizing technology.

If access to hardware is limited, targets are created using a variety of techniques including photogrammetry and photo-schematical processes.



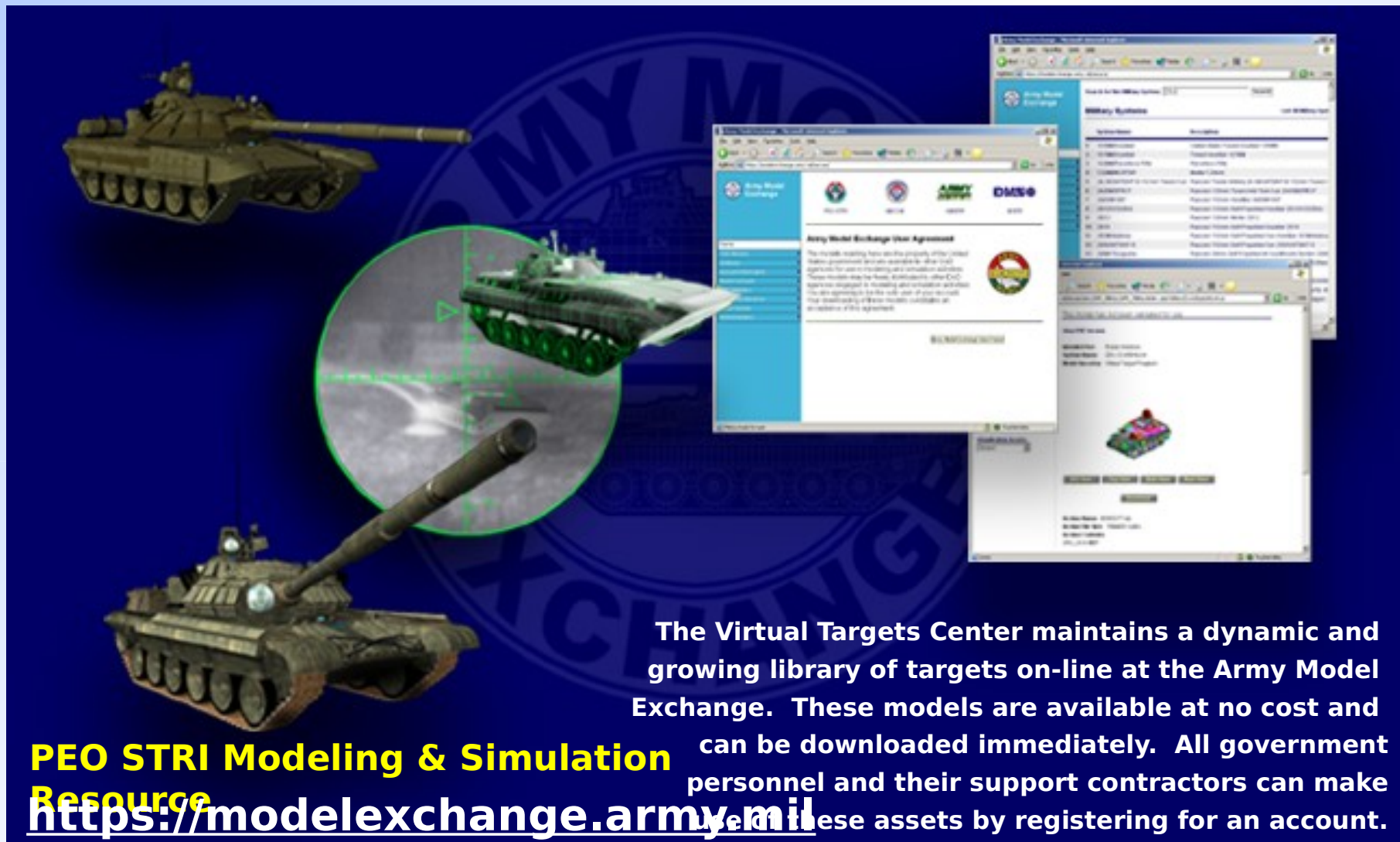
Lab





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Army Model Exchange



The Virtual Targets Center maintains a dynamic and growing library of targets on-line at the Army Model Exchange. These models are available at no cost and can be downloaded immediately. All government personnel and their support contractors can make use of these assets by registering for an account.

PEO STRI Modeling & Simulation Resource

<https://modelexchange.army.mil>





Contracting Opportunities

- **Aerial Target Flight Services**
- **MQM-107**
- **New Generation Army Targetry System**



Aerial Target Flight Services

Project Director

Charlie Rich

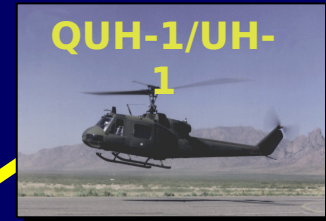
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BQM-34 Firebee



**MQM-107
Streaker**



QUH-1/UH-1



BATS



TBMTT



QH-50

Description

SERVICES: TMO contracts flight operations and system sustainment to support flight missions. Target systems consist of subscale fixed wing, subscale rotary wing, full scale rotary wing and ballistic missile target systems. Target systems are flown at numerous CONUS/OCNUS ranges to support air defense artillery training, RDT&E for the Tri-services and foreign military sales requirements.

HARDWARE: Government Owned/Contractor Operated (GOCO) targets, ground support equipment and control systems.

BASE CAMP: Located at Oro Grande Range



Targets Management Office ***ATFS Contracting Opportunities Information***

- **Competition Type: Full and Open**
- **Contract Vehicle: Firm Fixed Price**
- **Acquisition Strategy: Performance Based**
- **Period of Performance: 1 May 05 - 30 Apr 10**
- **Estimated Dollar Range: \$15-20M**
- **Estimated RFP Release Date: 1 September 04**
- **Estimated Award Date: 1 May 05**
- **POC Information:**

Name: Mr. Charlie Rich

Phone: 256-876-5312

E-Mail: charlie.rich@us.army.mil





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ATFS Existing Contract Information

- **Program: Aerial Targets Flight Services**
- **Contractor: Lockheed Martin Services, Inc.**
- **Contact information: AMCOM Contracting Officer**

**Ms. Anne Baune,
(256) 876-4183**



MQM-107

Project Director

Eric Block

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The MQM-107 is a subscale variable speed aerial target. The Army has a requirement to replace MQM-107s as they are destroyed and desires to include recent aerodynamic, avionic and propulsion improvements in the new production drones.





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MQM-107 Contracting Opportunities

Information

- **Competition Type: Full and Open**
- **Contract vehicle: FFP with Engineering Services and Logistics Support**
- **Acquisition Strategy: Performance Specification with former TDP as a guide**
- **Period of Performance: Dec 05 - Sep 09**
- **Estimated Dollar Range: \$5 - 25M**
- **Estimated RFP Release Date: September 2004**
- **Estimated Award Date: December 2004**
- **POC Information:**
Name: Eric Block
Phone: 256-955-8428
E-Mail: eric.block@peostri.army.mil





MQM-107 Existing Contract Information

- **Program: MQM-107**
- **Contractor: BAE Flight Systems**
- **Contact information: AMCOM Contracting Officer**

**Mr. James Fletcher,
(256) 876-9467**



New Generation Army Targetry System

Project Director

Steve Wright



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Provides an improved, standardized targetry capability to support:

- Current Training**
- Future enhanced weapon systems**

Prime Contractor will integrate and test this system of systems. Following successful completion of a range First Article Test at Ft Pickett VA, the contractor will execute tasks at the Government's option to procure and install targetry systems on ranges world wide per the Army Master Range Plan and other customers. The Contractor will provide NGATS New Equipment Training, and support the fielded systems with warranty



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NGATS Contracting Opportunities ***Information***

- **Competition Type: Full and Open**
- **Contract vehicle: Cost / Fixed Price Mixed**
- **Acquisition Strategy: Prime contract for**
 - **Integration**
 - **Test**
 - **Range Installation**
- **Period of Performance: FY05 - FY10**
- **Estimated Dollar Range: <\$100M**
- **Estimated RFP Release Date: Oct 04**
- **Estimated Award Date: Apr 05**
- **POC Information:**

Name: Mr. Steve Wright

Phone: 256-842-9490

E-Mail: steve.wright@us.army.mil





NGATS Existing Contract Information

- **Program: NGATS**
- **Contractor: None**
- **Contact information: AMCOM Contracting Officer**

**Mr. James Fletcher,
(256) 876-9467**





NGATS Project Discussion Opportunities

Purpose: Provide Forum For Additional Discussion and Responses to Areas of Specific Interest

Location: NGATS Industry Day for Potential Prime Contractors

When: FY04 4th Qtr - Details to be announced in Fed Biz Ops



TMO:

- **IS THE ARMY'S CENTER OF EXCELLENCE FOR "CRADLE TO GRAVE" TARGETS SUPPORT.**
- **SERVES AS WORLDWIDE "BEACON / ADVOCATE" FOR ALL PEO STRI PROJECTS AND PROGRAMS.**
- **RECOGNIZES THAT "EVERYTHING" IS SOMEONE'S TARGET.**
- **STANDS READY TO RESPONSIVELY AND SUCCESSFULLY SUPPORT ALL T&E AND TRAINING REQUIREMENTS — "HELP YOU MAKE YOUR BEST SHOT!"**